CITY OF BROOKLYN, OHIO ELECTRICAL PANEL UPGRADE REQUIREMENTS INCLUDE, BUT ARE NOT LIMITED TO:

- Metal cabinets, raceways, and meter base shall be bonded in accordance with NEC 250.92.
- 2. Bonding bushings shall be installed where concentric or eccentric knockouts impair the electrical connection to ground. **NEC 250.92.**
- 3. Standard locknuts and bushings shall not be the sole means for required bonding. **NEC 250.92.**
- 4. Grounding electrode conductor shall be connected to the metal underground water pipe within five (5) feet of point of entrance to the building. **NEC 250.52 (A)1.**
- 5. Supplemental ground rod(s) are required in addition to the metal underground water pipe. **NEC 250.53 (D)(2)**
- 6. Ground rods shall comply with **NEC 250.52(A)5(b)**
- 7. Ground rods shall be installed in accordance with **NEC 250.53(G)**
- 8. Where a single ground rod (electrode) does not have a resistance to ground of 25 ohms or less, it shall be augmented by one additional ground rod. Multiple ground rods shall be not less than six (6) feet apart. **NEC 250.53(B), NEC 250.56**
- 9. Grounding electrode conductor shall be installed and protected in accordance with **NEC 250.64(B)**
- 10. Metal water piping shall be bonded around water meters with jumpers sized in accordance with table 250.66 **NEC 250.104(A)1**
- 11. Electrical equipment shall be installed in a neat and workmanlike manner. **NEC 110.12**
- 12. Electrical equipment shall be firmly secured to the surface upon which it is mounted, in an approved manner. **NEC 110.13**
- 13. A minimum of three (3) feet deep, thirty (30) inch wide, clear, unobstructed working space must be maintained in front of electrical panels, air conditioner disconnects, and similar electrical equipment. **NEC 110.26(A)**
- 14. It is <u>your responsibility</u> to provide for, and be present for all required inspections. Reinspection fee(s) may be charged if work is incomplete, and/or incorrect. **Ordinance 1994-93 (Amended)**

Please contact Electrical Inspector Bill Marzola at (216) 661-0278

Monday through Friday from 8:30 am to 4:30 pm to arrange for inspections.